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Left
and right s

pickup for applying a reading
returning laser beam reflected
rising:
n laser having first and second
ams, respectively, for altern
nd laser beam to said opti
second laser beams having
different from each other in
n splitter disposed on a side
length laser for partially pass
o wavelength laser to lead
partially reflecting or passi
reading laser beam with s
a second direction different
disposed on a side of the
and having a predetermine
ng laser beam traveling in
itter regardless of whether
laser beam or the second
pickup as claimed in claim 1
posed between said two w
for dividing said reading la
aid photo detector has three
ded three laser beams, res
pattern.

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3. An optical pickup as claimed in claim 2, at least one of said photodiodes having first and second photo sensing areas, wherein said first photo sensing area is used for receiving one of said three divided beams originated from said first laser beam while said second photo sensing area is used for receiving one of said three divided beams originated from said second laser beam.

4. An optical pickup as claimed in claim 3, wherein said first sensing area includes a portion in common with said second sensing area.

5. An optical pickup as claimed in claim 4, wherein each of said first and said second photo sensing areas serves as a fourfold photodiode.

6. An optical pickup as claimed in claim 3, wherein each of said first and said second photo sensing areas serves as a fourfold photodiode.